



Asian
ENERGY
STUDIES CENTRE

Interdisciplinary research hub
for sustainable energy
on the Asian region



社會科學院
FACULTY OF SOCIAL SCIENCES



香港浸會大學
HONG KONG BAPTIST UNIVERSITY

Mission and Objectives

The Asian Energy Studies Centre (AESC) is committed to pursuing excellence in academic research in the areas of sustainable energy, with particular focus from the perspectives of governance in the Asian context. AESC promotes informed energy decision-making and improves energy policies in the Asian region, including Hong Kong in the following ways:

- 1) **create new knowledge**
- 2) **provide practical policy recommendations**
- 3) **promote knowledge exchange**
- 4) **facilitate stakeholder engagement**
- 5) **undertake interdisciplinary, collaborative research projects, and organise academic workshops, public seminars and other engagement events**

Research Fellows and Honorary Advisors Programme

- **Bring together scholars** with their respective expertise in the interdisciplinary field of sustainable energy studies
- **Provide a platform** for interaction on critical energy issues in the Asian context

AESC Research Fellows are from international and well-known institutions:

- Paris Institute of Political Studies
- The University of Tokyo
- University of Minnesota
- Tsinghua University
- Guangzhou Institute of Energy Conversion (GIEC), Chinese Academy of Sciences
- The Chinese University of Hong Kong
- Stanford University
- University of Bristol
- University of Stuttgart
- Yonsei University
- Renmin University of China
- Sun Yat-Sen University
- The University of Hong Kong



AESC's Research Themes:

Governing Energy Transition towards Sustainability from an Asian Perspective

Interdisciplinarity

- Technology, policy, market, and social acceptance
- Engage colleagues from different disciplines, within and outside BU (e.g. HK: HKU; US – Stanford; France – Science Po; China – Tsinghua, GIEC)
- Bring in policy and social perspectives
- Collaborative benefits – Multi-method (e.g. comparative case study, deliberative polling, conventional public opinion poll, innovative engagement practices such as game-based learning)

Asian Perspective

- Broadening geographical scope beyond HK to Mainland China, Japan, Korea, and the rest of Asia

Knowledge Exchange

- Stakeholder engagement
- Public education
- Community outreach
- Consultancy research

**Energy
Technological
Options**

**Demand-side-
management**

Renewable

Smart Grids

Green Buildings

Governance

**Policy
Innovations**

**Market
Reforms/
Regulatory
Schemes**

Business Models

**Consumer Engagement
(social acceptability,
deliberative engagement)**

Knowledge Exchange and Public Outreach

- **Organise annual events and knowledge exchange activities**, e.g. The Asian Energy Conferences, and Energy Research Seminar Series, which showcase the latest research in sustainable energy studies and their relevance to Asia
- **Actively participate in key consultation sessions, forums and seminars** that shape the energy dialogue in Hong Kong



Working Paper Series

- **Facilitate early dissemination of research outputs** in the many aspects of energy studies, and provide a forum for work-in-progress, conference papers, and early versions of papers to be submitted to international journals

Teaching and Learning

- **Support** student trips and research activities

Recent Publications

Books

Mah, D., Hills, P., Li, V. O. K., & Balme, R. (eds.). (2014). *Smart Grid Applications and Developments*. London: Springer.

Journal Articles

Mah, D., Wu, Y. Y., Ip, J., & Hills, P. (2013). "The role of the state in sustainable energy transitions: A case study of large smart grid demonstration projects in Japan". *Energy Policy*, 63, 726-737.

Mah, D., van der Vleuten, J. M., Hills, P., & Tao, J. (2012). "Consumer perceptions of smart grid development: Results of a Hong Kong survey and policy implications". *Energy Policy*, 49, 204-216.

Working Papers

Mah, D. (2015), "The development of smart grid business models: A theoretical perspective and research agendas", Asian Energy Studies Centre's Working Paper No. 14, Hong Kong: Asian Energy Studies Centre, Hong Kong Baptist University.

Chan, Y. M. & Mah, D. (2015), "Regional Renewable Energy Certificate Systems: An International Review and Policy Implications for the Hong Kong-Guangdong Region", Asian Energy Studies Centre's Working Paper No. 13, Hong Kong: Asian Energy Studies Centre, Hong Kong Baptist University.

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